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<b>Term:</b>	L9 and \$2direct\$3
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result set

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<u>L10</u>	L9 and \$2direct\$3	1	<u>L10</u>
<u>L9</u>	('5418922')!.PN.	1	<u>L9</u>
<u>L8</u>	L5 and cache	2	<u>L8</u>
<u>L7</u>	L3 and sql	20	<u>L7</u>
<u>L6</u>	L5 and sql	0	<u>L6</u>
<u>L5</u>	('5802576'  '5418922')!.PN.	2	<u>L5</u>
<u>L4</u>	L3 and ((level or layer ) near3 cache)	51	<u>L4</u>
<u>L3</u>	redirect\$3 near3 cache	184	<u>L3</u>
<u>L2</u>	\$2direct\$3 near3 cache	7112	<u>L2</u>
<u>L1</u>	6285997.pn.	1	<u>L1</u>

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**1 Optimistic parallel simulation of a large-scale view storage system**

*Yaun, G.; Carothers, C.D.; Adali, S.; Spooner, D.;*

Simulation Conference, 2001. Proceedings of the Winter , Volume: 2 , 9-12 D 2001

Pages:1363 - 1371 vol.2

[\[Abstract\]](#)   [\[PDF Full-Text \(722 KB\)\]](#)   **IEEE CNF**

**2 Efficient XML query processing in mediators**

*Liang Huai Yang; Shiwei Tang; Dongqing Yang; Lijun Chen;*

Database and Expert Systems Applications, 2001. Proceedings. 12th International Workshop on , 3-7 Sept. 2001

Pages:27 - 31

[\[Abstract\]](#)   [\[PDF Full-Text \(336 KB\)\]](#)   **IEEE CNF**

**3 Detailed characterization of a quad Pentium Pro server running TPC**

*Cao, Q.; Trancoso, P.; Larriba-Pey, J.-L.; Torrellas, J.; Knighten, R.; Won, Y.;*

Computer Design, 1999. (ICCD '99) International Conference on , 10-13 Oct. Pages:108 - 115

[\[Abstract\]](#)   [\[PDF Full-Text \(312 KB\)\]](#)   **IEEE CNF**

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 Terms used **cache SQL remote procedure call cursor**

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# 1 [The design and implementation of hierarchical software systems with reusable components](#)

Don Batory, Sean O'Malley

 October 1992 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 1 Issue 4

 Full text available: [pdf\(3.15 MB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

We present a domain-independent model of hierarchical software system design and construction that is based on interchangeable software components and large-scale reuse. The model unifies the conceptualizations of two independent projects, Genesis and Avoca, that are successful examples of software component/building-block technologies and domain modeling. Building-block technologies exploit large-scale reuse, rely on open architecture software, and elevate the granularity of programming to ...

**Keywords:** domain modeling, open system architectures, reuse, software building-blocks, software design

# 2 [Client-server computing](#)

Alok Sinha

 July 1992 **Communications of the ACM**, Volume 35 Issue 7

 Full text available: [pdf\(7.53 MB\)](#)

 Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)

**Keywords:** client-server computing

# 3 [The GemStone object database management system](#)

Paul Butterworth, Allen Otis, Jacob Stein

 October 1991 **Communications of the ACM**, Volume 34 Issue 10

 Full text available: [pdf\(6.60 MB\)](#)

 Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** GemStone, database management systems, object-oriented

#### 4 CNMGRAF—graphic presentation services for network management

Richard S. Gilbert, Wolfgang B. Kleinöder

September 1985 **ACM SIGCOMM Computer Communication Review**, Proceedings of the ninth symposium on Data communications, Volume 15 Issue 4

Full text available:  pdf(858.52 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Two key problems in the design of systems and network management applications are: how to efficiently manage large quantities of related data, and how to allow the application user to view this data at a user-defined level of detail. This paper describes an architecture for network management facilities that may help solve these problems. It also describes CNMgraf (Communications Network Management Graphics Facility), which was developed to test the presentation service model defined by thi ...

#### 5 Consensual trends for optimizing the constitution of middleware

Stéphane Spahni, Jean-Raoul Scherrer, Dominique Sauquet, Pier-Angelo Sottile

October 1998 **ACM SIGCOMM Computer Communication Review**, Volume 28 Issue 5

Full text available:  pdf(1.19 MB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Middleware is now a commonly used expression and anyone building distributed applications is referring to "middleware services". Nevertheless this notion lacks of sound theoretical foundation. This paper tries to clarify the relationship between the components of the distributed environment, and establishes some classification aiming at gaining a common understanding of the functionality and interdependency of the existing modules of distributed environments.

**Keywords:** OSI, hospital information system, middleware

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